

10/507252

PATENT

Attorney Docket No.: JHU1870-1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Boeke and Bolton Art Unit: 1651  
 Application No.: 10/507,252 Examiner: Not Yet Assigned  
 I.A. Filing Date: March 12, 2003 Conf. No.: 9085  
 Title: MANGANESE ION REGULATION OF REVERSE TRANSCRIPTASE  
 ACTIVITY AND METHODS OF MODULATING SAME

**Mail Stop PCT**

Commissioner for Patents

P.O. Box 1450

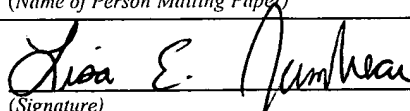
Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35****U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371 mailed January 13, 2005, enclosed are:

1. One (1) copy of the Notification of Missing Requirements Under 35 U.S.C. 371 mailed January 13, 2005 (2 pages);
2. One (1) executed Declaration For Patent Application (4 pages);
3. One (1) Power of Attorney by Assignee (2 pages); and
4. Return Receipt Postcard.

<b>CERTIFICATION UNDER 37 CFR §1.10</b>	
"EXPRESS MAIL" Mailing Label Number: <b>EV 627 502 682 US</b>	
Date of Deposit: <b>January 28, 2005</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
LISA E. JAMBEAU	
(Name of Person Mailing Paper)	
	January 28, 2005
(Signature)	(Date)

In re Application of:

Boeke and Bolton

Application No.: 10/507,252

I.A. Filing Date: March 12, 2003

Page 2

PATENT

Attorney Docket No.: JHU1870-1

Applicants claim **SMALL ENTITY** status in the above-identified application. Pursuant to 37 C.F.R. § 1.27, a verified statement claiming small entity status is not required.

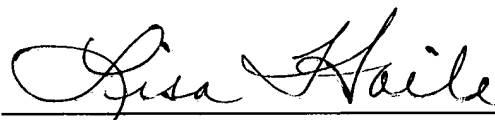
The filing fee has been calculated as follows.

	Number Filed		Number Extra		Rate			Fee	
					Small Entity	Large Entity		Small Entity	Large Entity
Total Claims	75-75	=	0	X	\$25	\$50	=	\$ .00	\$ .00
Independent Claims	7-7	=	0	X	\$100	\$200	=	\$ .00	\$ .00
Multiple Dependent Claims Presented: ____ Yes ____X____ No					\$180	\$360		\$ .00	\$ .00
					BASIC FEES			[\$500.00]	
					SURCHARGE FEE			[\$ 65.00]	
					TOTAL FEE			\$ .00	

No fee is deemed necessary in connection with the filing of this paper. However, if a fee is required, the Commissioner is hereby authorized to charge any other fees associated with the filing submitted herewith, or credit any overpayments to Deposit Account No. 07-1896. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: January 28, 2005



Lisa A. Haile, J.D., Ph.D.

Registration No.: 38,347

Telephone: (858) 677-1456

Facsimile: (858) 677-1465

**USPTO CUSTOMER NUMBER 28213**

**DLA PIPER RUDNICK GRAY CARY US LLP**

4365 Executive Drive, Suite 1100

San Diego, California 92121-2133

JAN 19 2005

JAN 19 2005



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/507,252	Jef D Boeke	JHU1870-1

INTERNATIONAL APPLICATION NO.

PCT/US03/07879

I.A. FILING DATE	PRIORITY DATE
03/12/2003	03/12/2002

28213

DLA PIPER RUDNICK GRAY CARY US, LLP  
4365 EXECUTIVE DRIVE  
SUITE 1100  
SAN DIEGO, CA 92121-2133

CONFIRMATION NO. 9085

371 FORMALITIES LETTER



\*OC000000014944749\*

Date Mailed: 01/13/2005

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 09/10/2004
- Copy of the International Search Report filed on 09/10/2004
- Copy of IPE Report filed on 09/10/2004
- Oath or Declaration filed on 09/10/2004
- Small Entity Statement filed on 09/10/2004
- Request for Immediate Examination filed on 09/10/2004
- U.S. Basic National Fees filed on 09/10/2004
- Priority Documents filed on 09/10/2004

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed

to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

WINSTON M ALVARADO

Telephone: (703) 305-6421

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/507,252	PCT/US03/07879	JHU1870-1

FORM PCT/DO/EO/905 (371 Formalities Notice)